

Voi-Shan · Tridair · Screwcorp

TRIDAIR LOGO, 1st, 2nd & 3rd DASH NUMBERS STAMPED .010 MAX DEEP

B SIX LOBE RECESS PER NAS1800, ROUND HEAD DEPTH

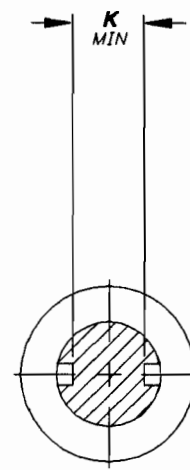
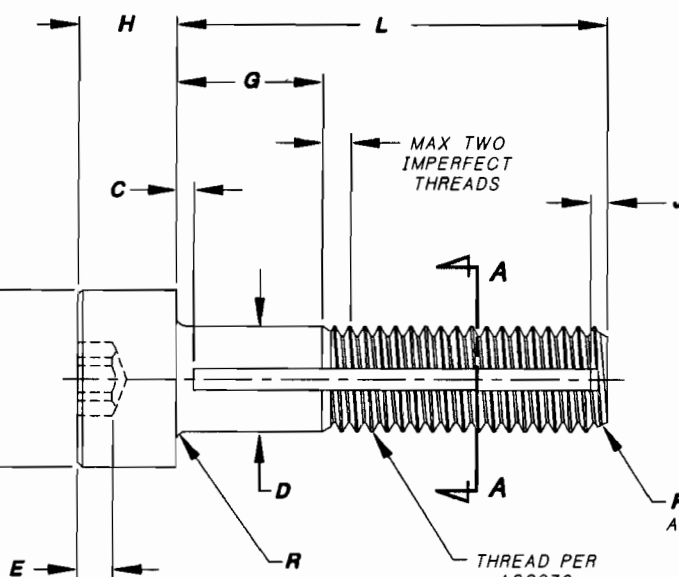
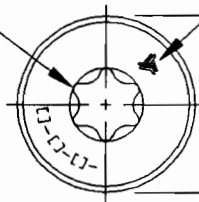
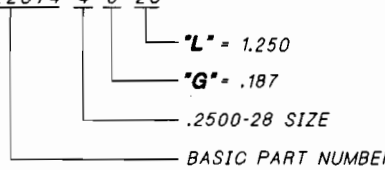


TABLE 1

FIRST DASH NUMBER	THREAD SIZE	A DIA	B RECESS	C MAX	D DIA	E MIN	F	H	J	K MIN	R RAD	ULTIMATE TENSILE STRENGTH MIN. (CALCULATED)	ULTIMATE SINGLE SHEAR STRENGTH MIN. (CALCULATED)
-06	.1380-32UNJC-3A	.226 .218	T10	.050	.1375 .1365	.044	.030	.138 .134	.040	.067	.015 .005	1,060 LBS.	750 LBS.
-08	.1640-32UNJC-3A	.270 .262	T20	.050	.1635 .1625	.044	.030	.164 .159	.040	.086	.020 .010	1,660 LBS.	990 LBS.
-10	.1900-32UNJF-3A	.312 .303	T20	.050	.1895 .1885	.054	.030	.190 .185	.040	.108	.020 .010	2,425 LBS.	1,450 LBS.
-4	.2500-28UNJF-3A	.375 .365	T30	.050	.2495 .2485	.054	.035	.250 .244	.040	.162	.020 .010	4,625 LBS.	2,775 LBS.
-5	.3125-24UNJF-3A	.469 .457	T30	.065	.3120 .3110	.064	.040	.312 .306	.050	.205	.020 .010	7,400 LBS.	4,425 LBS.
-6	.3750-24UNJF-3A	.562 .550	T40	.065	.3745 .3735	.069	.040	.375 .368	.050	.268	.025 .015	11,300 LBS.	7,300 LBS.

NOTES; UNLESS OTHERWISE SPECIFIED:

- MATERIAL: A286 CRES PER AMS5731, AMS5732, AMS5737.
- HEAT TREAT: 160,000 PSI MINIMUM TENSILE PER AMS2759, AMS-H-6875.
- FINISH: PASSIVATED PER AMS-QQ-P-35.
- HEAD: HEX SOCKET HEAD CAP SCREW PER ANSI B18.3, PLAIN, NOT KNURLED.
- SCREW TO BE USED WITH CA2210-( )R RETAINING RING TO CAPTIVATE TO PANEL.
- PANEL PREPARATION: REFER TO CAL-STD-0260 DRAWING.
- INSTALLATION: REFER TO TRIDAIR DRAWING NUMBER CA2210T-( ).
- PART NUMBER EXAMPLE:  
CA22074-4-6-20



INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
N/A	10/21/10	94361

- MAGNETIC PERMEABILITY IS LESS THAN 2.0 (AIR = 1.0) FOR FIELD STRENGTH OF H200 OERSTEDS. MAGNETIC PERMEABILITY INDICATOR PER ASTM A342.
- LONGER GRIPS (IN 1/32" INCREMENTS) AND LONGER LENGTHS (IN 1/16" INCREMENTS) THAN ARE SHOWN IN TABLES 2 THRU 7 MAY BE ORDERED.

UNLESS OTHERWISE SPECIFIED:  
TOLERANCE:  
DECIMALS:  
.XX ±.02  
.XXX ±.010  
ANGLE: ±2°

APPROVED DATE	22 MAR 02
REV. LETTER AND DATE	22 MAR 02
DAF NUMBER	DAF 34020

**Fairchild** FAIRCHILD FASTENERS  
ENGINEERING CENTER  
3000 WEST LOMITA BOULEVARD  
TORRANCE, CA 90505

CAGE CODE **29372**  
TRIDAIR PRODUCT

**CAPTIVE SCREW, RETAINING RING TYPE  
ROUND HEAD, TORX RECESS  
A286 CRES, 160 KSI**

CA22074-()-()-()

PROJECT NUMBER: 02-062

SCANNED

Voi-Shan • Tridair • Screwcorp

**TABLE 2**

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.138-32 SIZE FIRST DASH NO.-06	-2-7	-3-7	-4-7	-5-7	-6-7	-7-7	-8-7	-9-7	-10-7	.437
	-2-8	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-10-8	.500
	-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

**TABLE 3**

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
.164-32 SIZE FIRST DASH NO.-08	-2-7	-3-7	-4-7	-5-7	-6-7	-7-7	-8-7	-9-7	-10-7	.437
	-2-8	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-10-8	.500
	-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

UNLESS OTHERWISE SPECIFIED:  
 TOLERANCE:  
 DECIMALS:  
 .XX ±.02  
 .XXX ±.010  
 ANGLE: #2°

APPROVED DATE  
 22 MAR 02

REV. LETTER AND DATE  
 22 MAR 02

DAF NUMBER  
 DAF 54020 u.s.

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
N/A1	10/21/10	94301

**Fairchild** FAIRCHILD FASTENERS  
 ENGINEERING CENTER  
 3000 WEST LOMITA BOULEVARD  
 TORRANCE, CA 90505

CAGE CODE **29372**

TRIDAIR PRODUCT

**CAPTIVE SCREW, RETAINING RING TYPE  
 ROUND HEAD, TORX RECESS  
 A286 CRES, 160 KSI**

**CA22074-()-()-**

SHEET 2 OF 4

SCANNED

544979 PROJECT NUMBER: 02-062

Voi-Shan · Tridair · Screwcorp

**TABLE 4**

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
<b>.190-32 SIZE FIRST DASH NO.-10</b>	-2-7	-3-7	-4-7	-5-7	-6-7	-7-7	-8-7	-9-7	-10-7	.437
	-2-8	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-10-8	.500
	-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

**TABLE 5**

	G GRIP									L LENGTH
	.062	.094	.125	.156	.187	.218	.250	.281	.312	
<b>.250-28 SIZE FIRST DASH NO.-4</b>	-2-7	-3-7	-4-7	-5-7	-6-7	-7-7	-8-7	-9-7	-10-7	.437
	-2-8	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8	-10-8	.500
	-2-9	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-2-10	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-2-11	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-2-12	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-2-13	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-2-14	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-2-15	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-2-16	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-2-17	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-2-18	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-2-19	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-2-20	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-2-21	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-2-22	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-2-23	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-2-24	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-2-25	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-2-26	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
	-2-27	-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687
	-2-28	-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750

UNLESS OTHERWISE SPECIFIED:  
 TOLERANCE:  
 DECIMALS:  
 .XX ±.02  
 .XXX ±.010  
 ANGLE: 12°

APPROVED DATE  
 22 MAR 02

REV. LETTER AND DATE  
~~22 MAR 02~~

DAF NUMBER  
 DAF 54620

S44949 PROJECT NUMBER: 02-062

**Fairchild** FAIRCHILD FASTENERS  
 ENGINEERING CENTER  
 3000 WEST LOMITA BOULEVARD  
 TORRANCE, CA 90505

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
N/A	10/21/10	94301

CAGE CODE **29372**  
 TRIDAIR PRODUCT

**CAPTIVE SCREW, RETAINING RING TYPE  
 ROUND HEAD, TORX RECESS  
 A286 CRES, 160 KSI**

**CA22074-()-()-**

SHEET 3 OF 4

SCANNED

**TABLE 6**

	G GRIP								L
	.094	.125	.156	.187	.218	.250	.281	.312	LENGTH
<b>.3125-24 SIZE FIRST DASH NO.-5</b>	-3-7	-4-7	-5-7	-6-7	-7-7				.437
	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8		.500
	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9	.562
	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10	.625
	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11	.687
	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12	.750
	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	.812
	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14	.875
	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15	.937
	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16	1.000
	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17	1.062
	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18	1.125
	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19	1.187
	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20	1.250
	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21	1.312
	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22	1.375
	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23	1.437
	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24	1.500
	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25	1.562
	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26	1.625
-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27	1.687	
-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28	1.750	

**TABLE 7**

	G GRIP									L
	.094	.125	.156	.187	.218	.250	.281	.312	.437	LENGTH
<b>.375-24 SIZE FIRST DASH NO.-6</b>	-3-7	-4-7	-5-7	-6-7	-7-7					.437
	-3-8	-4-8	-5-8	-6-8	-7-8	-8-8	-9-8			.500
	-3-9	-4-9	-5-9	-6-9	-7-9	-8-9	-9-9	-10-9		.562
	-3-10	-4-10	-5-10	-6-10	-7-10	-8-10	-9-10	-10-10		.625
	-3-11	-4-11	-5-11	-6-11	-7-11	-8-11	-9-11	-10-11		.687
	-3-12	-4-12	-5-12	-6-12	-7-12	-8-12	-9-12	-10-12		.750
	-3-13	-4-13	-5-13	-6-13	-7-13	-8-13	-9-13	-10-13	-14-13	.812
	-3-14	-4-14	-5-14	-6-14	-7-14	-8-14	-9-14	-10-14		.875
	-3-15	-4-15	-5-15	-6-15	-7-15	-8-15	-9-15	-10-15		.937
	-3-16	-4-16	-5-16	-6-16	-7-16	-8-16	-9-16	-10-16		1.000
	-3-17	-4-17	-5-17	-6-17	-7-17	-8-17	-9-17	-10-17		1.062
	-3-18	-4-18	-5-18	-6-18	-7-18	-8-18	-9-18	-10-18		1.125
	-3-19	-4-19	-5-19	-6-19	-7-19	-8-19	-9-19	-10-19		1.187
	-3-20	-4-20	-5-20	-6-20	-7-20	-8-20	-9-20	-10-20		1.250
	-3-21	-4-21	-5-21	-6-21	-7-21	-8-21	-9-21	-10-21		1.312
	-3-22	-4-22	-5-22	-6-22	-7-22	-8-22	-9-22	-10-22		1.375
	-3-23	-4-23	-5-23	-6-23	-7-23	-8-23	-9-23	-10-23		1.437
	-3-24	-4-24	-5-24	-6-24	-7-24	-8-24	-9-24	-10-24		1.500
	-3-25	-4-25	-5-25	-6-25	-7-25	-8-25	-9-25	-10-25		1.562
	-3-26	-4-26	-5-26	-6-26	-7-26	-8-26	-9-26	-10-26		1.625
-3-27	-4-27	-5-27	-6-27	-7-27	-8-27	-9-27	-10-27		1.687	
-3-28	-4-28	-5-28	-6-28	-7-28	-8-28	-9-28	-10-28		1.750	

**S44949 PROJECT NUMBER: 02-062**

UNLESS OTHERWISE SPECIFIED:  
 TOLERANCE:  
 DECIMALS:  
 .XX ±.02  
 .XXX ±.010  
 ANGLE: ±2°

APPROVED DATE  
 22 MAR 02

REV. LETTER AND DATE  
 22 MAR 02

DAF NUMBER  
 DAF 54020 U.S.

INTERIM DOCUMENT REVISION		
Rev.	Date	DAF #
N/A1	10/21/10	94301

**Fairchild FAIRCHILD FASTENERS**  
**ENGINEERING CENTER**  
 3000 WEST LOMITA BOULEVARD  
 TORRANCE, CA 90505

CAGE CODE **29372**  
 TRIDAIR PRODUCT

**CAPTIVE SCREW, RETAINING RING TYPE**  
**ROUND HEAD, TORX RECESS**  
**A286 CRES, 160 KSI**

**CA22074-()-()-()**

SHEET 4 OF 4

**SCREW**